

Amendments to the Abstract:

A replacement sheet for the Abstract is attached hereto as Appendix A. In the replacement sheet, a clean copy of the Abstract, as amended, is provided.

Please amend the Abstract at page 77 of the specification as follows:

The invention relates to tiled, positionally-addressable ordered arrays useful methods ~~and systems (e.g., computer systems and computer program products)~~ for identifying and characterizing genes ~~using microarrays~~. In particular, the invention provides for positionally-addressable ordered arrays that can be used in improved, robust methods for detecting genes through the use of the arrays ~~microarrays~~ to analyze the expression state of the genome. Using the arrays of the invention, genes ~~Genes~~ which are expressed can be mapped to their respective positions in the genome, and the structure of such genes can be determined.